

## **REMARKS**

Reconsideration of this application is respectfully requested. No claim amendments have been made herein.

### **35 U.S.C. § 103 Rejection**

Claims 1-2, 4, 11-12, 14 and 20 are not obvious in view of U.S. Patent No. 5,222,154 to Graham et al. ("Graham") and U.S. Patent Application Publication No. 2003/0028509 to Sah et al. ("Sah"). Claim 1 refers to encoding data values described by one or more multi-dimensional parameters by mapping the multiple constituent sub-parameters of each of the multi-dimensional parameters of the data values to respective one-dimensional parameters having a single sub-parameter by which the multi-dimensional parameters will now be represented. An example is provided in Applicant's specification on page 8, where it is explained that a pixel, with multiple color components (e.g., sub-parameters, such as Red, Green and Blue) may be represented by only one of those sub-parameters (e.g., Red).

Graham discloses a system and method for finding areas with pixels of similar color in an image, and replacing the pixels of similar color with pixels of a single dominant color (where dominant means most frequently occurring color). See Graham, Abstract. For instance, according to Graham, a number of pixels are analyzed to determine the pixel color that occurs most frequently within a given area of an image. Then, the pixels with colors that are similar (within a predefined range) of that most frequently occurring color are replaced by pixels of the most frequently occurring color. As such, Graham does not disclose or suggest a method of encoding data values, but simply replacing previously encoded values with other previously encoded values. To encode means to change the format. The method described in Graham does not involve changing the format or manner in which a data element is represented, but instead, Graham discloses changing the values of the data element. According to Graham, a pixel with three color components, each color component comprising an individual byte, will be replaced with a different pixel having three color components, each color component comprising an individual byte. Consequently, Graham does not disclose or suggest encoding data values, and in particular, Graham does not disclose or suggest encoding data values described by one or more multi-dimensional parameters by mapping the multiple constituent sub-parameters of each

of the multi-dimensional parameters of the data values to respective one-dimensional parameters having a single sub-parameter by which the multi-dimensional parameters will now be represented, as claimed.

Sah was relied on by the Examiner for teaching the concept of redundant encoded data values sharing common table entries within the table of encoded data values. Sah does not disclose or suggest encoding data values described by one or more multi-dimensional parameters by mapping the multiple constituent sub-parameters of each of the multi-dimensional parameters of the data values to respective one-dimensional parameters having a single sub-parameter by which the multi-dimensional parameters will now be represented, as is claimed. Similarly, neither U.S. Patent No. 5,339,164 to Lim nor U.S. Patent Application Publication 2003/0133169 to Uchibayashi disclose or suggest encoding data values described by one or more multi-dimensional parameters by mapping the multiple constituent sub-parameters of each of the multi-dimensional parameters of the data values to respective one-dimensional parameters having a single sub-parameter by which the multi-dimensional parameters will now be represented. Therefore, when considered singularly or in combination, the references cited by the Examiner do not disclose or suggest every limitation of the claimed invention. Consequently, claim 1 is not obvious in view of the combination of references.

As claims 11 and 20 include similar limitations to the limitation of claim 1 described above, for the same reasons that claim 1 is not obvious, claims 11 and 20 are not obvious in view of the cited references. Furthermore, as claims 2-10 and 12-19 depend upon claims 1 and 11 respectively, claims 2-20 and 12-19 are not obvious in view of the cited references.

If there are any additional fees due in connection with this communication, including fees for any extensions of time, please charge Deposit Account No. 19-3140.

Respectfully submitted,  
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